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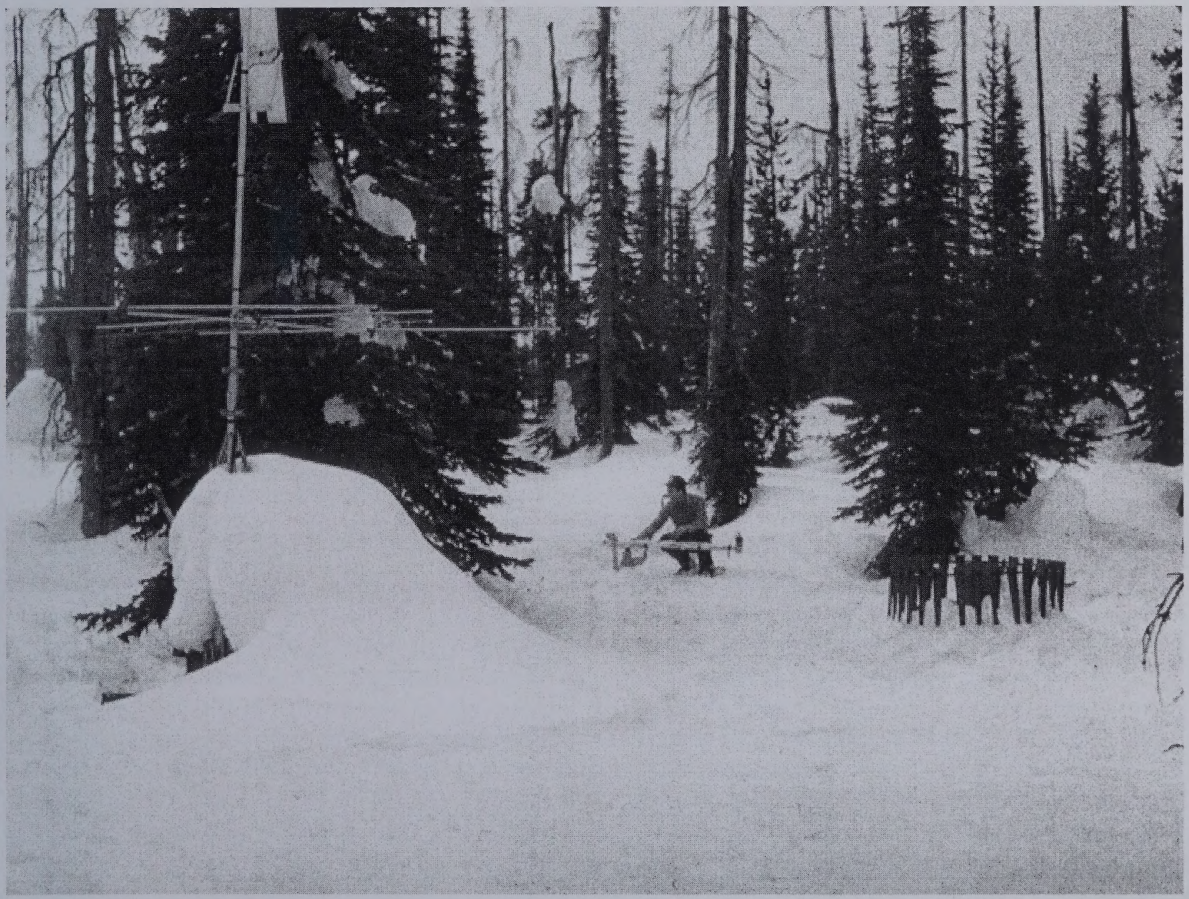
Natural Resources Conservation Service

Montana Water Supply Outlook Report January 1, 2005



Picture: Black Bear SNOTEL Site - Winter of 1997

Water Supply Outlook Report
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:
See Attached List

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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Where to Get More Information

This contact list provides you with the names and phone numbers of individuals who can provide more detailed snow survey information for each county.

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Wibaux County
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Yellowstone County
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1/6/05

MONTANA SNOW COURSE AND SNOTEL DATA

JANUARY 2005

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ALBRO LAKE SNOTEL	8300	1/01/05	34	5.7	8.7	9.6
ASHLEY DIVIDE	4820	12/28/04	4	.7	2.6	3.4
ASHLEY LAKE	4000	12/28/04	4	.7	2.4	2.6
BADGER PASS SNOTEL	6900	1/01/05	35	9.1	13.8	15.2
BANFIELD MTN SNOTEL	5600	1/01/05	17	5.0	8.2	9.0
BARKER LAKES SNOTEL	8250	1/01/05	26	4.9	5.8	6.7
BASIN CREEK SNOTEL	7180	1/01/05	13	2.3	3.7	3.7
BEAGLE SPGS SNOTEL	8850	1/01/05	22	4.0	3.7	3.7
BEAVER CREEK SNOTEL	7850	1/01/05	39	7.9	8.5	7.9
BISSON CREEK SNOTEL	4920	1/01/05	16	3.0	4.5	4.5
BLACK BEAR SNOTEL	7950	1/01/05	74	17.4	22.8	17.2
BLACK PINE SNOTEL	7100	1/01/05	17	3.5	5.0	5.2
BLACKTAIL	5650	1/01/05	---	3.8E	6.8	6.8
BLOODY DICK SNOTEL	7550	1/01/05	16	3.0	6.0	5.6
BOULDER MTN SNOTEL	7950	1/01/05	25	5.7	9.4	9.1
BOX CANYON SNOTEL	6700	1/01/05	14	2.9	4.3	4.5
BOXELDER CREEK	5100	12/28/04	5	1.0	5.8	3.4
BRACKETT CR SNOTEL	7320	1/01/05	37	8.8	7.6	8.9
BURNT MTN SNOTEL	5880	1/01/05	4	1.0	3.3	--
CALVERT CR SNOTEL	6430	1/01/05	12	2.2	4.6	3.9
CARROT BASIN SNOTEL	9000	1/01/05	55	11.0	13.9	13.1
CHESSMAN RESERVOIR	6200	12/27/04	4	.5	1.5	1.5
CLOVER MDW SNOTEL	8800	1/01/05	35	7.2	6.9	8.1
COLE CREEK SNOTEL	7850	1/01/05	18	4.3	6.5	7.5
COMBINATION SNOTEL	5600	1/01/05	6	.8	2.7	2.2
COPPER BOTTOM SNOTEL	5200	1/01/05	10	.7	5.3	5.3
COPPER CAMP SNOTEL	6950	1/01/05	54	16.1	24.9	13.7
COYOTE HILL	4200	12/30/04	10	1.9	5.7	4.3
CRYSTAL LAKE SNOTEL	6050	1/01/05	24	4.3	8.7	5.4
DAISY PEAK SNOTEL	7600	1/01/05	16	3.0	5.3	4.7
DALY CREEK SNOTEL	5780	1/01/05	18	3.9	6.1	4.9
DARKHORSE LK. SNOTEL	8700	1/01/05	42	10.6	11.9	13.9
DEADMAN CR SNOTEL	6450	1/01/05	20	3.8	5.2	4.6
DISCOVERY BASIN	7050	12/30/04	19	2.8	4.9	4.2
DIVIDE SNOTEL	7800	1/01/05	27	4.9	5.0	4.8
DIX HILL	6400	1/01/05	14	2.3	4.2	4.5
DUPUYER CREEK SNOTEL	5750	1/01/05	6	1.0	3.2	4.4
EMERY CREEK SNOTEL	4350	1/01/05	16	4.0	7.1	7.0
FISH CREEK	8000	12/22/04	10	1.2	3.2	4.4
FISHER CREEK SNOTEL	9100	1/01/05	53	12.0	16.7	16.3
FLATTOP MTN SNOTEL	6300	1/01/05	56	17.0	18.6	21.4
FROHNER MDWS SNOTEL	6480	1/01/05	17	3.1	4.0	3.4
GARVER CREEK SNOTEL	4250	1/01/05	11	3.4	5.4	5.2
GRAVE CRK SNOTEL	4300	1/01/05	24	5.3	8.6	7.7
HAND CREEK SNOTEL	5030	1/01/05	12	2.6	5.5	5.9
HAWKINS LAKE SNOTEL	6450	1/01/05	30	8.2	11.0	12.4
HEBGEN DAM	6550	1/03/05	25	4.1	5.9	5.1
HELL ROARING DIVIDE	5770	12/30/04	42	10.8	11.1	13.4
HOLBROOK	4530	12/27/04	12	3.5	6.2	4.2
HOODOO BASIN SNOTEL	6050	1/01/05	46	12.3	17.7	19.3
JOHNSON PARK	6450	12/29/04	6	1.3	2.6	2.8
KRAFT CREEK SNOTEL	4750	1/01/05	18	3.4	6.4	6.9
LAKEVIEW RDG. SNOTEL	7400	1/01/05	38	6.8	5.5	5.1
LEMHI RIDGE SNOTEL	8100	1/01/05	22	4.6	4.9	4.7
LICK CREEK SNOTEL	6860	1/01/05	18	3.8	5.6	5.3
LONE MOUNTAIN SNOTEL	8880	1/01/05	33	7.1	8.8	7.9
LOWER TWIN SNOTEL	7900	1/01/05	35	6.6	9.0	8.8
LUBRECHT SNOTEL	4680	1/01/05	8	.8	3.5	2.6
LUBRECHT FOREST NO 3	5450	12/31/04	8	.8	2.3	2.7
LUBRECHT FOREST NO 4	4650	12/31/04	5	.6	1.1	1.4
LUBRECHT FOREST NO 6	4040	12/31/04	6	.6	1.2	1.6

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
LUBRECHT HYDROPLOT	4200	12/31/04	9	1.0	2.0	2.5
MADISON PLT SNOTEL	7750	1/01/05	52	9.7	13.8	11.2
MANY GLACIER SNOTEL	4900	1/01/05	10	2.4	4.7	7.0
MARIAS PASS	5250	12/29/04	12	2.6	6.9	7.3
MONUMENT PK SNOTEL	8850	1/01/05	36	7.6	8.3	9.9
MOSS PEAK SNOTEL	6780	1/01/05	54	13.4	13.0	16.8
MOULTON RESERVOIR	6850	12/22/04	9	1.0	3.2	3.5
MT LOCKHART SNOTEL	6400	1/01/05	20	5.3	8.8	9.5
MULE CREEK SNOTEL	8300	1/01/05	22	4.3	6.1	6.9
N.E. ENTRANCE SNOTEL	7350	1/01/05	12	2.3	3.7	5.0
NEVADA RIDGE SNOTEL	7020	1/01/05	24	4.7	7.1	6.8
NEZ PERCE CMP SNOTEL	5650	1/01/05	19	3.7	7.4	6.1
N.F. ELK CR SNOTEL	6250	1/01/05	20	4.1	5.8	5.1
NF JOCKO SNOTEL	6330	1/01/05	61	16.7	17.4	19.4
NOISY BASIN SNOTEL	6040	1/01/05	55	15.4	13.0	19.8
OPHIR PARK	7150	1/01/05	20	3.5	5.5	6.6
PETERSON MDW SNOTEL	7200	1/01/05	17	2.8	4.9	4.4
PICKFOOT CRK SNOTEL	6650	1/01/05	14	2.4	6.2	5.2
PIKE CREEK SNOTEL	5930	1/01/05	27	7.1	10.1	12.0
PIPESTONE PASS	7200	12/27/04	2	.5	2.0	2.2
PLACER BASIN SNOTEL	8830	1/01/05	31	7.3	8.8	8.7
POORMAN CR SNOTEL	5100	1/01/05	34	8.5	19.3	13.4
PORCUPINE SNOTEL	6500	1/01/05	12	2.1	3.5	2.8
ROCKER PEAK SNOTEL	8000	1/01/05	22	3.7	5.8	6.4
ROCKY BOY SNOTEL	4700	1/01/05	8	1.1	3.4	2.2
SACAJAWEA SNOTEL	6550	1/01/05	25	6.1	6.2	5.1
SADDLE MTN SNOTEL	7900	1/01/05	34	7.5	11.4	11.7
S.F. SHIELDS SNOTEL	8100	1/01/05	29	6.7	6.3	7.5
SHORT CREEK SNOTEL	7000	1/01/05	16	2.4	2.7	2.9
SHOWER FALLS SNOTEL	8100	1/01/05	38	9.0	7.9	10.1
SKALKAHO SNOTEL	7260	1/01/05	26	5.6	10.2	10.3
SLEEPING WOMAN SNTL	6150	1/01/05	18	3.9	6.2	6.9
SPOTTED BEAR MTN.	7000	12/27/04	14	3.3	7.1	6.9
SPUR PARK SNOTEL	8100	1/01/05	37	8.7	8.3	10.0
STAHL PEAK SNOTEL	6030	1/01/05	60	16.9	14.9	17.1
STORM LAKE	7780	12/30/04	26	4.0	5.6	5.5
STUART MOUNTAIN SNTL	7400	1/01/05	46	10.8	13.4	15.1
SUCKER CREEK	3960	12/28/04	3	.4	2.0	.5
TAYLOR ROAD	4080	12/28/04	3	.2	2.6	1.8
TEN MILE LOWER	6600	12/27/04	6	1.0	3.6	3.0
TEN MILE MIDDLE	6800	12/27/04	11	2.6	4.8	4.6
TEPEE CREEK SNOTEL	8000	1/01/05	33	6.2	6.9	6.0
TIZER BASIN SNOTEL	6840	1/01/05	12	3.4	4.9	4.8
TRINKUS LAKE	6100	12/27/04	54	16.8	16.7	19.4
TRUMAN CREEK	4060	12/29/04	0	.0	2.4	2.0
TV MOUNTAIN	6800	12/27/04	20	3.9	8.9	7.8
TWELVEMILE SNOTEL	5600	1/01/05	20	4.7	11.0	7.5
TWENTY-ONE MILE	7150	12/30/04	26	4.6	7.7	7.3
TWIN LAKES SNOTEL	6400	1/01/05	43	12.1	22.1	17.5
UPPER HOLLAND LAKE	6200	12/27/04	35	9.6	16.3	15.2
WALDRON SNOTEL	5600	1/01/05	11	2.2	5.2	5.2
WARM SPRINGS SNOTEL	7800	1/01/05	30	6.6	9.7	9.4
WEASEL DIVIDE	5450	1/03/05	48	11.9	14.4	15.2
WEST YELL'ST SNOTEL	6700	1/01/05	29	4.5	7.1	5.9
WHISKEY CREEK SNOTEL	6800	1/01/05	42	6.5	10.1	7.5
WHITE MILL SNOTEL	8700	1/01/05	37	7.6	9.3	11.1
WOOD CREEK SNOTEL	5960	1/01/05	14	2.4	4.5	4.2

Montana Water Supply Outlook Report as of January 1, 2005

The snowfall season has gotten off to a much worse start than last year at this time and state-wide, averages 31% below last year. On January 1, the snow water content should be about 45 percent of the average snowpack peak, which occurs during April. However, this year the snow water content is about 32 percent of the peak or 13 percent below average. Fall rain in September and October was above average to well above average in most areas, improving soil moisture conditions. November and December moisture has generally been below average.

Snowpack

Mountain snow water content statewide was 71 percent of average and 69 percent of last year. West of the Continental Divide, mountain snow water content was 66 percent of average and 65 percent of last year and East of the Continental Divide, was 77 percent of average and 76 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	66	65
KOOTENAI	72	69
FLATHEAD	69	77
UPPER CLARK FORK	66	63
BITTERROOT	62	54
LOWER CLARK FORK	57	54
MISSOURI	74	70
MISSOURI HEADWATERS	81	76
JEFFERSON	75	75
MADISON	85	74
GALLATIN	89	88
MISSOURI MAINSTEM	60	57
HEADWATERS MAINSTEM	62	60
SMITH-JUDITH-MUSSELSHELL	72	66
SUN-TETON-MARIAS	51	57
MILK (Bearpaw Mtns)	33	19
ST. MARY	68	83
ST. MARY & MILK	61	59
YELLOWSTONE	82	85
UPPER YELLOWSTONE	75	78
LOWER YELLOWSTONE	86	92

The Sun-Teton-Marias Basins rank second lowest in 45 years to 2003.
The Bearpaw Mountains rank third lowest in 33 years behind 2003 and 2002.

Precipitation

December mountain and valley precipitation across the state was 75 percent of average and 76 percent of last year, while the water year precipitation was 79 percent of average and 79 percent of last year.

West of the Continental Divide, December mountain and valley precipitation was 72 percent of average and 96 percent of last year and the water year precipitation was 77 percent of average and 79 percent of last year. East of the Divide, December mountain and valley precipitation was 78 percent of average and 63 percent of last year and the water year precipitation was 81 percent of average and 79 percent of last year.

RIVER BASIN	DECEMBER % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	72	77
KOOTENAI	84	92
FLATHEAD	77	88
UPPER CLARK FORK	66	67
BITTERROOT	67	63
LOWER CLARK FORK	69	72
MISSOURI	81	79
JEFFERSON	85	75
MADISON	91	87
GALLATIN	80	85
MISSOURI MAINSTEM	83	71
SMITH-JUDITH-MUSSELSHELL	66	77
SUN-TETON-MARIAS	79	76
MILK	56	71
ST. MARY	86	83
YELLOWSTONE	78	84
UPPER YELLOWSTONE	73	81
LOWER YELLOWSTONE	82	87

Reservoirs

Major reservoir storages statewide were 68 percent of average and 83 percent of last year.

Reservoir storage west of the Continental Divide was 118 percent of average and 106 percent of last year. East of the Continental Divide, reservoir storages were 50 percent of average and 69 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	118	106
KOOTENAI	121	99
FLATHEAD	118	113
UPPER CLARK FORK	89	99
BITTERROOT	118	158
LOWER CLARK FORK	100	102
MISSOURI	48	68
JEFFERSON	51	173
MADISON	117	111
GALLATIN	151	113
MISSOURI MAINSTEM	44	63
SMITH-JUDITH-MUSSELSHELL	36	110
SUN-TETON-MARIAS	105	99
MILK	92	164
ST. MARY	159	272
YELLOWSTONE	79	91
UPPER YELLOWSTONE	111	103
LOWER YELLOWSTONE	78	90

Streamflow

Across Montana, streamflows are forecast to average between 56 and 71 percent, for the period April 1 through July 31.

West of the Continental Divide, streamflows are forecast to average between 58 and 72 percent and east of the Continental Divide, streamflows are forecast to average between 53 and 70 percent.

Below are the River Basin streamflow forecasts for the period April 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL MOISTURE AND RUNOFF CONDITIONS JANUARY THROUGH JULY AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR ABOVE AVERAGE (110% or more) SNOWMELT OR SPRING RAIN.

RIVER BASIN	April-July THIS YEAR % OF AVERAGE	April-July LAST YEAR % OF AVERAGE
COLUMBIA	58 to 72	93 to 107
KOOTENAI	68 to 82	93 to 106
FLATHEAD	63 to 72	92 to 102
UPPER CLARK FORK	49 to 67	93 to 110
BITTERROOT	61 to 75	100 to 114
LOWER CLARK FORK	55 to 69	90 to 105
MISSOURI	47 to 65	72 to 90
JEFFERSON	33 to 52	77 to 98
MADISON	78 to 87	95 to 104
GALLATIN	70 to 82	86 to 98
MISSOURI MAINSTEM	51 to 66	74 to 87
SMITH-JUDITH-MUSSELSHELL	42 to 62	76 to 97
SUN-TETON-MARIAS	43 to 62	71 to 93
MILK	52 to 77	48 to 65
ST. MARY	77 to 85	82 to 90
YELLOWSTONE	68 to 81	79 to 92
UPPER YELLOWSTONE	70 to 82	86 to 99
LOWER YELLOWSTONE	66 to 79	70 to 83

NOTE: The *APRIL-JULY LAST YEAR % OF AVERAGE* column above, is what was forecast last year, **not** what actually occurred.

Surface Water Supply Index

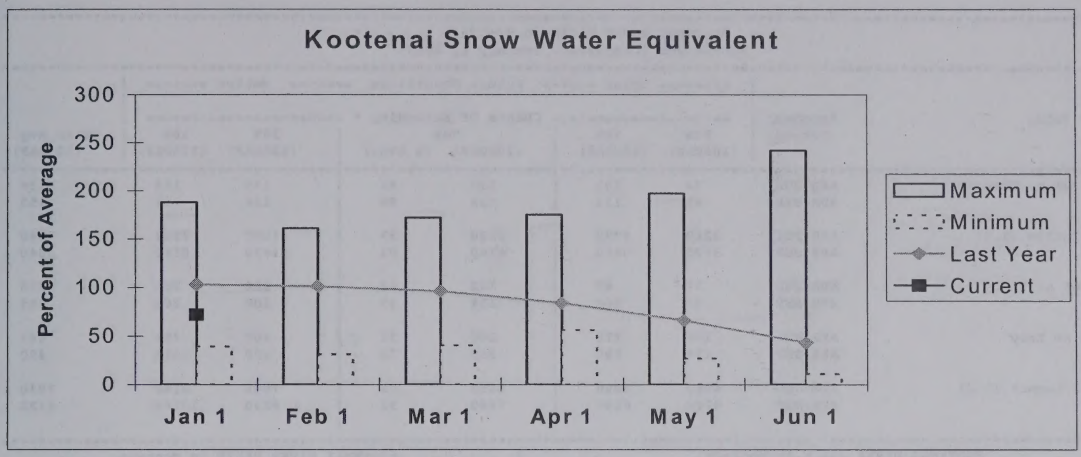
The Surface Water Supply Index (SWSI) is a measure of available surface water availability for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

SWSI RATING	SURFACE WATER CONDITION
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

SWSI		Basin
This Year SWSI	Last Year SWSI	Basin
-1.8	+0.6	Tobacco River
-2.5	0.0	Kootenai Ft. Steele to Libby Dam
-1.2	+1.2	Kootenai River below Libby Dam
-2.5	-0.8	Fisher River
-1.2	+0.5	Yaak River
-1.7	0.0	North Fork Flathead River
-2.9	-1.6	Middle FORK Flathead River
-1.3	0.0	South Fork Flathead River
-1.8	-0.3	Flathead River at Columbia Falls
-2.0	+0.2	Stillwater/Whitefish Rivers
-2.2	-1.2	Swan River
-2.2	-1.2	Flathead River at Polson
-3.8	-1.0	Mission Valley
-3.9	+0.9	Little Bitterroot River
-1.4	-0.4	Clark Fork River above Milltown
-2.1	-0.3	Blackfoot River
-2.1	+0.9	Bitterroot River
-2.0	0.0	Clark Fork River below Bitterroot River
-2.1	-0.8	Clark Fork River below Flathead River
-3.7	-2.7	Beaverhead River
-1.4	-2.2	Ruby River
-2.1	-0.5	Big Hole River
-2.2	-1.0	Boulder River (Jefferson)
-2.2	-1.6	Jefferson River
-1.4	+0.3	Madison River
-1.3	-1.3	Gallatin River
-2.3	-0.6	Missouri River above Canyon Ferry
-3.9	-0.8	Missouri River below Canyon Ferry
-1.5	-0.2	Smith River
-3.5	-1.3	Sun River
-1.7	-1.0	Teton River
-3.0	-1.7	Birch/Dupuyer Creeks
-2.2	-2.0	Marias River above Tiber
-2.2	-0.3	Marias River below Tiber
-2.4	-0.7	Musselshell River
-3.2	-1.0	Missouri River above Ft. Peck
-4.0	-3.9	Missouri River below Ft. Peck
-1.0	-2.9	Milk River
-2.4	-1.4	Dearborn River near Craig
-2.7	+0.1	Yellowstone River above Livingston
-1.5	-0.6	Shields River
-2.6	-1.6	Boulder River (Yellowstone)
-2.5	-0.2	Stillwater River
-1.3	-1.4	Rock/Red Lodge Creeks
-2.9	-1.7	Clarks Fork River
-2.7	-0.4	Yellowstone River above Bighorn River
-2.1	-2.4	Bighorn River below Bighorn Lake
-3.0	-1.1	Little Bighorn River
-2.4	-1.3	Yellowstone River below Bighorn River
-2.0	-0.9	Tongue River
-1.1	-0.5	Powder River

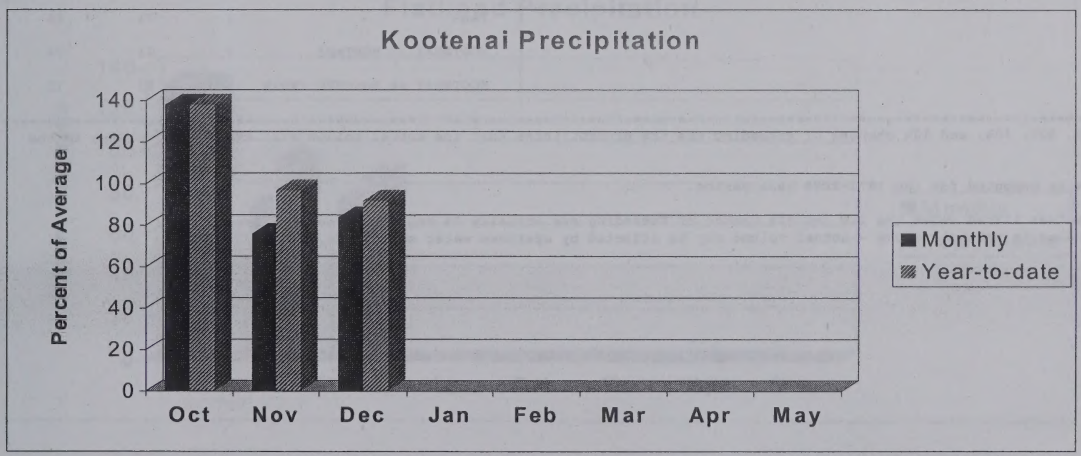
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin were below average. Snow water content was 71 percent of average and 83 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 1977; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during December was 86 percent of average and 128 percent of last year. Valley precipitation during December was 69 percent of average and 92 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 92 percent of average and 87 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 62 percent to 75 percent.

Lake Koocanusa storage was 121 percent of average and 99 percent of last year.

Surface Water Supply Index (SWSI) was -1.8 in the Tobacco River; -2.5 in the Kootenai Ft. Steele to Libby Dam; -1.2 in the Kootenai River below Libby Dam; -2.5 in the Fisher River; and -1.2 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
TOBACCO RIVER nr Eureka	APR-JUL	72	101	120	88	139	168	136
	APR-SEP	81	112	133	89	154	184	150
LIBBY RES Inflow (1,2)	APR-JUL	3210	4590	5220	93	5850	7230	5640
	APR-SEP	3920	5450	6140	93	6830	8360	6640
FISHER RIVER nr Libby	APR-JUL	33	98	142	62	186	250	230
	APR-SEP	41	108	154	63	200	265	245
YAAK RIVER nr Troy	APR-JUL	184	275	340	73	405	495	465
	APR-SEP	196	290	355	72	420	515	490
KOOTENAI at Leonia (1,2)	APR-JUL	4560	5860	6450	92	7040	8340	7040
	APR-SEP	4720	6590	7440	92	8290	10160	8120

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE KOOCANUSA	5748.0	3740.0	3774.0	3090.1

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	This Year as % of Average
KOOTENAY in CANADA	6	93	79
KOOTENAI MAINTSTEM	3	61	70
TOBACCO	3	90	85
FISHER	1	47	44
YAAK	2	71	66
KOOTENAI in MONTANA	9	71	74
KOOTENAI ab BONNERS FERRY	15	80	75

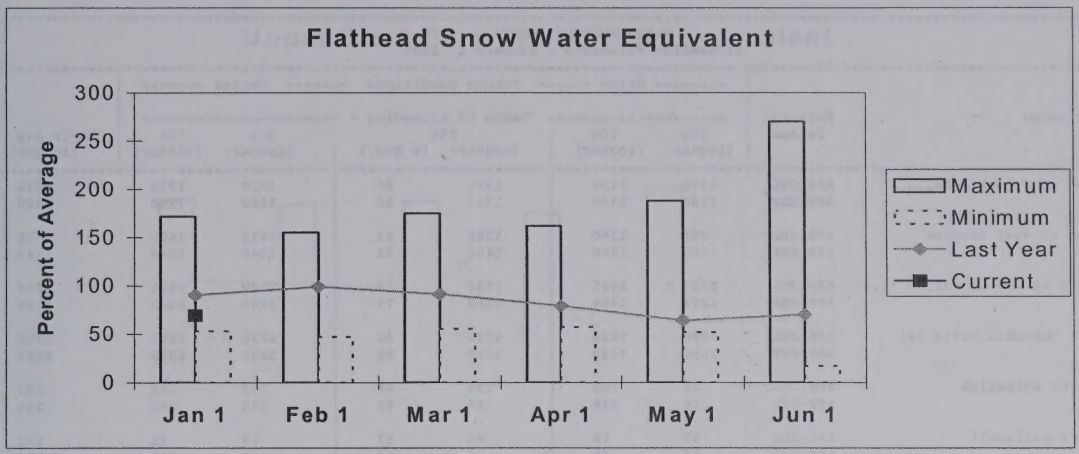
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

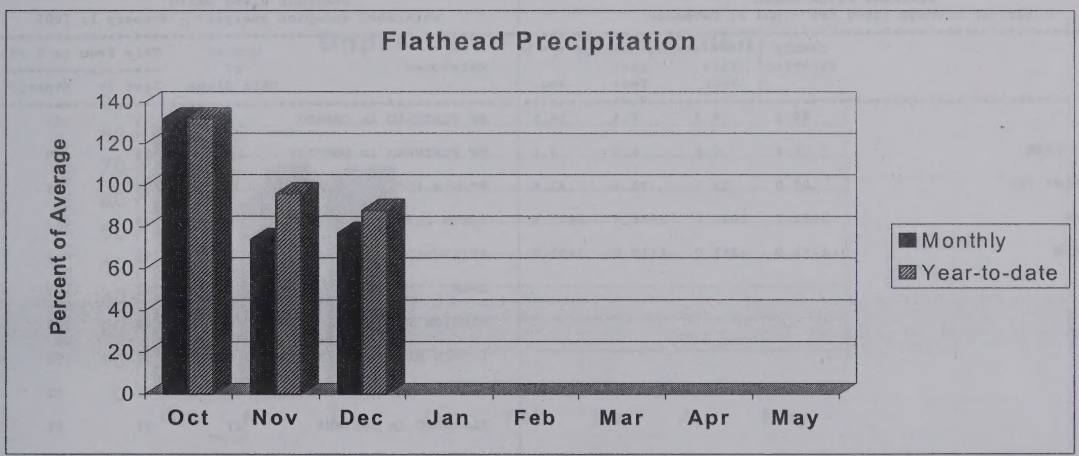
Flathead River Basin

Snowpack conditions in the Flathead River Basin were well below average. Snow water content was 69 percent of average and 77 percent of last year.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1997 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2001; April maximum swe was in 1972 and minimum was in 2001; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during December was 77 percent of average and 116 percent of last year. Valley precipitation during December was 76 percent of average and 107 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 88 percent of average and 97 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 60 percent to 69 percent.

Combined Camas reservoir storage was 22 percent of average and 66 percent of last year; combined Mission Valley reservoir storage was 120 percent of average and 167 percent of last year; Hungry Horse storage was at 125 percent of average and 113 percent of last year; and Flathead Lake storage was 105 percent of average and 112 percent of last year.

Surface Water Supply Index (SWSI) was -1.7 in the North Fork Flathead River; -2.9 in the Middle Fork Flathead River; 0.1 in the South Fork Flathead River; -1.8 in the Flathead River at Columbia Falls; -2.0 in the Stillwater/Whitefish Rivers; -2.2 in the Swan River; -2.2 in the Flathead River at Polson; -3.8 in the Mission Valley; and -3.9 in the Little Bitterroot River.

FLATHEAD RIVER BASIN
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
NF FLATHEAD nr Columbia Falls	APR-JUL	1050	1250	1380	85	1510	1710	1620
	APR-SEP	1180	1390	1540	86	1690	1900	1800
MF FLATHEAD nr West Glacier	APR-JUL	955	1150	1280	81	1410	1600	1590
	APR-SEP	1060	1260	1400	81	1540	1740	1740
HUNGRY HORSE Reservoir Inflow (1,2)	APR-JUL	1227	1437	1580	79	1780	2210	2000
	APR-SEP	1221	1494	1680	79	1940	2500	2120
FLATHEAD at Columbia Falls (2)	APR-JUL	3080	3830	4330	81	4830	5580	5350
	APR-SEP	3390	4180	4710	81	5240	6030	5820
STILLWATER nr Whitefish	APR-JUL	65	104	130	68	155	195	192
	APR-SEP	74	116	145	69	175	215	210
WHITEFISH nr Kalispell	APR-JUL	43	58	68	67	78	93	101
	APR-SEP	47	64	76	67	88	105	114
ASHLEY CREEK nr Marion (2)	APR-JUL	1.53	2.11	2.50	35	3.60	5.30	7.20
	MARCH			0.98	93			1.06
SWAN RIVER nr Bigfork	APR-JUL	270	355	410	73	465	550	565
	APR-SEP	320	410	470	73	530	620	645
Flathead Lake inflow (1,2)	APR-JUL	3390	4510	5020	81	5530	6650	6180
	APR-SEP	3875	4813	5450	81	6290	8130	6700

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAMAS (4)	45.2	4.2	6.4	19.5
LOWER JOCKO LAKE	6.4	0.0	0.0	0.1
MISSION VALLEY (8)	100.0	39.1	23.4	32.6
HUNGRY HORSE	3451.0	3022.0	2666.0	2420.9
FLATHEAD LAKE	1791.0	1251.0	1119.0	1192.7

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
NF FLATHEAD in CANADA	1	45	47
NF FLATHEAD in MONTANA	6	89	79
MIDDLE FORK FLATHEAD	5	70	63
SOUTH FORK FLATHEAD	6	79	73
STILLWATER-WHITEFISH	4	69	58
SWAN	6	91	77
MISSION VALLEY	3	83	72
LITTLE BITTERROOT-ASHLEY	4	37	35
JOCKO	4	77	72
FLATHEAD in MONTANA	27	77	69
FLATHEAD RIVER BASIN	28	76	69

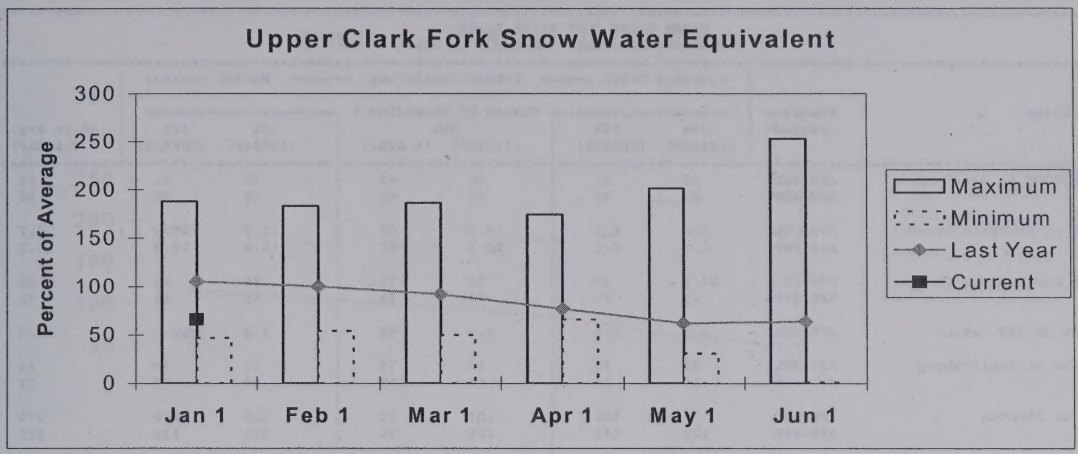
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

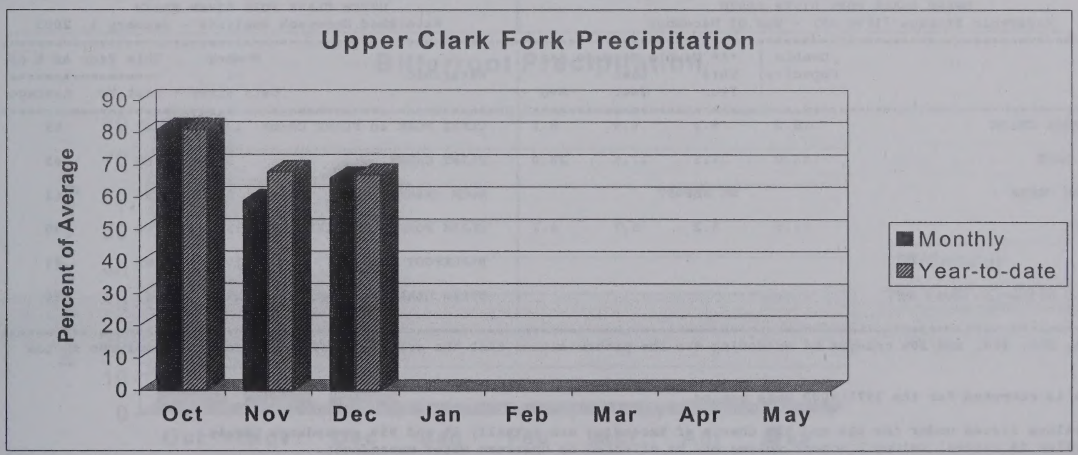
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were well below average. Snow water content was 68 percent of average and 63 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum was in 1994; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during December was 66 percent of average and 84 percent of last year. Valley precipitation during December was 57 percent of average and 61 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 67 percent of average and 69 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 49 percent to 66 percent.

East Fork Rock Creek storage was 65 percent of average and 108 percent of last year; Georgetown Lake was 98 percent of average and 99 percent of last year; Lower Willow Creek storage was not available; and Nevada Creek storage was 76 percent of average and 86 percent of last year.

Surface Water Supply Index (SWSI) was -1.4 in the Clark Fork River above Milltown; and -2.1 in the Blackfoot River.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LITTLE BLACKFOOT nr Garrison	APR-JUL	20	30	48	63	66	91	76
	APR-SEP	25	36	54	64	72	99	84
FLINT CREEK nr Southern Cross	APR-JUL	2.0	6.1	8.9	65	11.7	15.8	13.7
	APR-SEP	1.5	6.6	10.1	62	13.6	18.5	16.2
FLINT CREEK blw Boulder Ck	APR-JUL	13.7	29	39	70	49	64	56
	APR-SEP	21	39	51	72	63	81	71
LOWER WILLOW CK RES Inflow	APR-JUL	2.5	2.8	5.5	44	8.2	12.3	12.5
MF ROCK CREEK nr Philipsburg	APR-JUL	26	39	48	75	57	70	64
	APR-SEP	30	44	54	75	64	78	72
ROCK CREEK nr Clinton	APR-JUL	99	156	194	72	230	290	270
	APR-SEP	122	183	225	74	265	330	305
CLARK FORK abv Milltown	APR-JUL	131	295	410	68	525	690	605
	APR-SEP	165	350	475	67	600	785	705
NEVADA CREEK nr Helmville	APR-JUL	4.9	9.5	12.7	73	15.9	21	17.3
BLACKFOOT RIVER nr Bonner	APR-JUL	305	460	565	70	670	825	805
	APR-SEP	350	515	625	70	735	900	890
CLARK FORK abv Missoula	APR-JUL	445	760	975	69	1185	1505	1410
	APR-SEP	525	865	1100	69	1330	1680	1600

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
EAST FORK ROCK CREEK	15.6	5.3	4.9	8.2
GEORGETOWN LAKE	31.0	27.5	27.8	28.0
LOWER WILLOW CREEK		NO REPORT		
NEVADA CREEK	12.6	3.2	3.7	4.2

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
CLARK FORK ab FLINT CREEK	10	61	59
FLINT CREEK	5	60	65
ROCK CREEK	3	60	61
CLARK FORK ab BLACKFOOT	15	60	60
BLACKFOOT	14	65	71
UPPER CLARK FORK BASIN	27	63	66

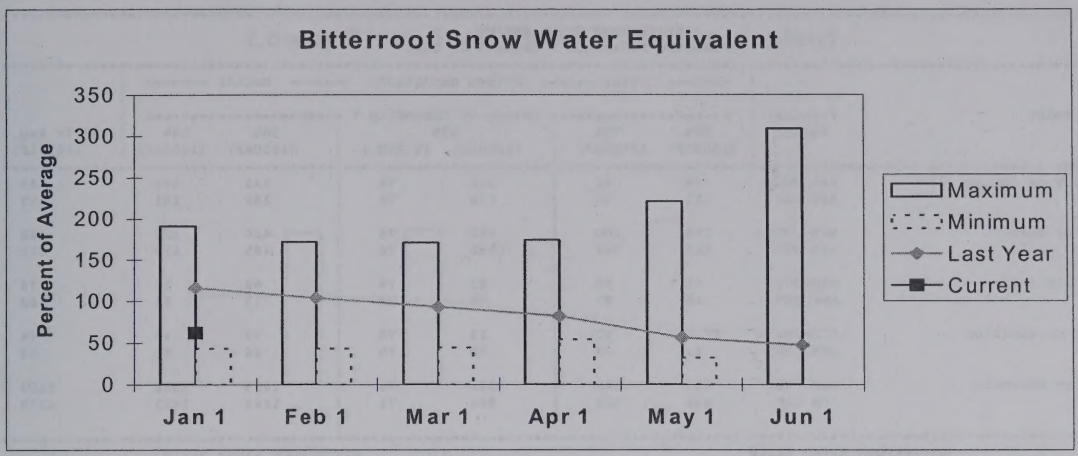
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

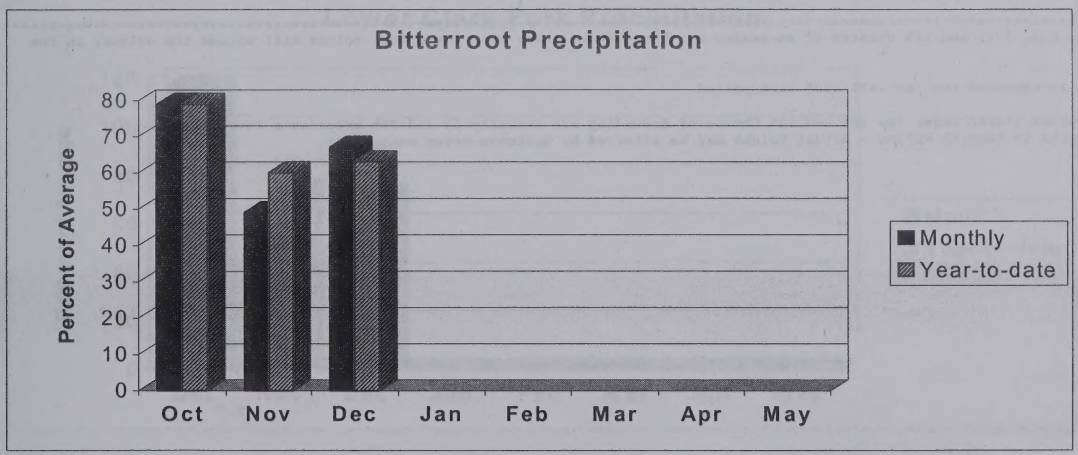
Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were well below average. Snow water content was 62 percent of average and 54 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 2001; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and 1974 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during December was 68 percent of average and 70 percent of last year. Valley precipitation during December was 49 percent of average and 44 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 63 percent of average and 58 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 61 percent to 75 percent.

Painted Rocks Lake storage was 85 percent of average and 97 percent of last year and Como storage was 144 percent of average and 228 percent of last year.

Surface Water Supply Index (SWSI) was -2.1 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WF BITTERROOT nr Conner (2)	APR-JUL	44	81	106	74	131	168	143
	APR-SEP	51	90	116	74	142	181	157
BITTERROOT nr Darby	APR-JUL	174	280	350	76	420	525	460
	APR-SEP	210	315	390	76	465	570	515
COMO RESERVOIR Inflow	APR-JUL	42	53	61	78	69	80	78
	APR-SEP	46	57	65	79	73	84	82
SKALKAHO CK nr Hamilton	APR-JUL	17.0	27	33	75	39	49	44
	APR-SEP	22	32	39	78	46	56	50
BITTERROOT at Missoula	APR-JUL	480	740	915	73	1095	1355	1250
	APR-SEP	565	820	995	73	1165	1425	1370

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
PAINTED ROCKS LAKE	31.7	6.4	6.6	7.5
COMO	34.9	13.0	5.7	9.0

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WEST FORK BITTERROOT	2	60	63
EAST SIDE BITTERROOT	3	61	63
WEST SIDE BITTERROOT	3	50	62
BITTERROOT RIVER BASIN	7	54	62

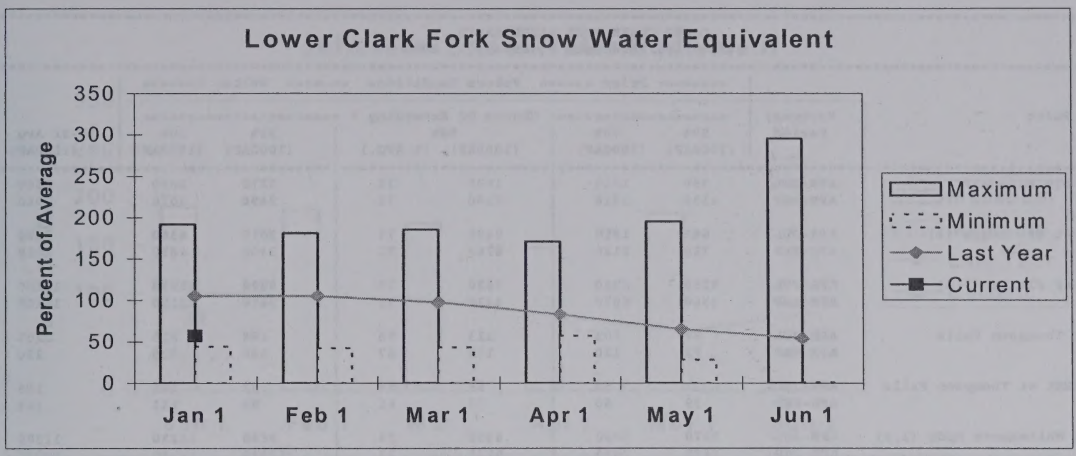
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

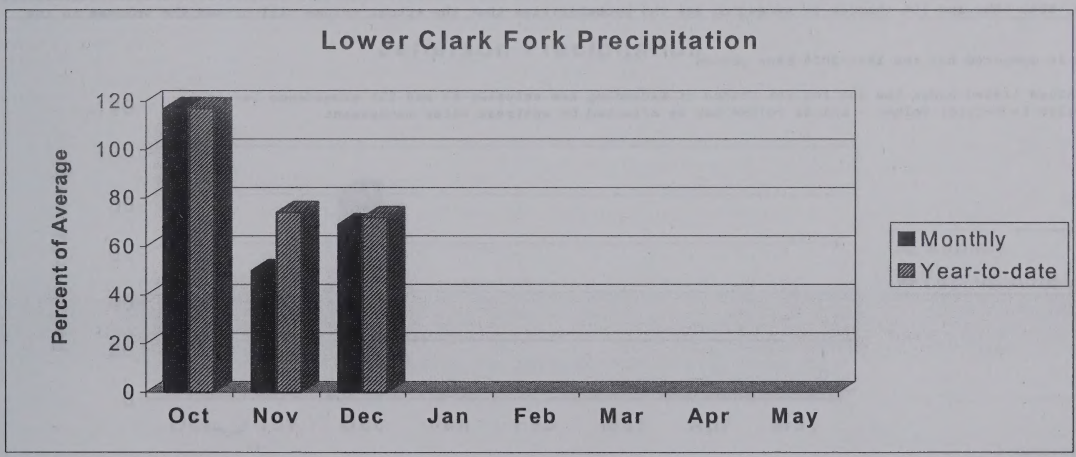
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were well below average. Snow water content was 57 percent of average and 54 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1972 and minimum swe was in 1981; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during December was 74 percent of average and 96 percent of last year. Valley precipitation during December was 54 percent of average and 84 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 72 percent of average and 75 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 55 percent to 69 percent.

Noxon Rapids storage was 100 percent of average and 102 percent of last year.

Surface Water Supply Index (SWSI) was -2.0 in the Clark Fork River below Bitterroot River and -2.1 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
CLARK FORK blw Missoula	APR-JUL	950	1510	1890	71	2270	2830	2660
	APR-SEP	1130	1710	2100	71	2490	3070	2960
CLARK FORK at St. Regis (1)	APR-JUL	645	1910	2490	71	3070	4340	3520
	APR-SEP	710	2120	2760	71	3400	4810	3910
CLARK FORK nr Plains (1,2)	APR-JUL	3250	6250	7620	75	8990	11990	10100
	APR-SEP	3560	6870	8370	75	9870	13180	11100
THOMPSON nr Thompson Falls	APR-JUL	57	102	133	65	164	210	205
	APR-SEP	72	120	153	67	186	235	230
PROSPECT CREEK at Thompson Falls	APR-JUL	33	54	68	59	82	103	116
	APR-SEP	39	60	75	61	90	111	124
CLARK FK at Whitehorse Rpds (1,2)	APR-JUL	3370	6760	8300	74	9840	13230	11300
	APR-SEP	3690	7430	9120	73	10810	14550	12500

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
NOXON RAPIDS	335.0	316.6	310.8	315.8

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
LOWER CLARK FORK BASIN	8	54	57

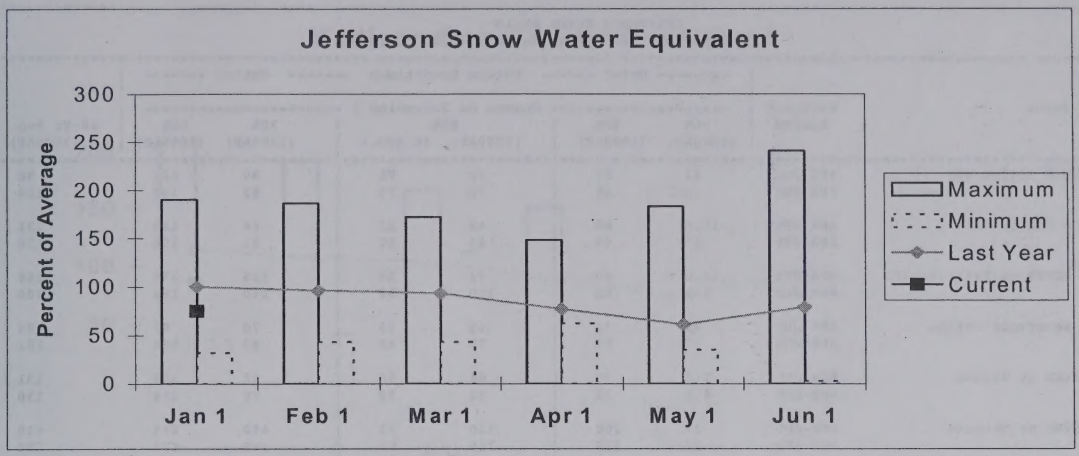
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

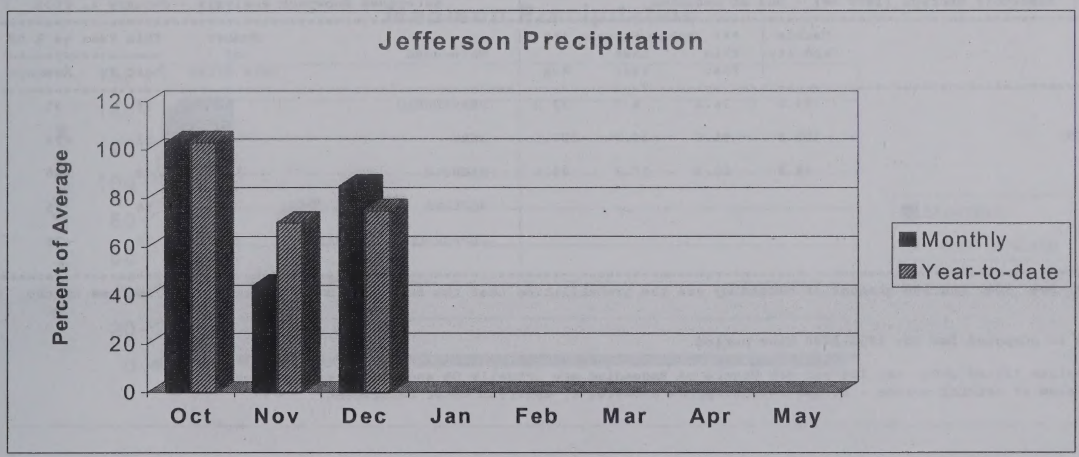
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were below average. Snow water content was 77 percent of average and 76 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during December was 87 percent of average and 72 percent of last year. Valley precipitation during December was 64 percent of average and 41 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 75 percent of average and 79 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 33 percent to 52 percent.

Lima storage was 114 percent of average and 610 percent of last year; Clark Canyon storage was 30 percent of average and 120 percent of last year; and Ruby River storage was 90 percent of average and 120 percent of last year.

Surface Water Supply Index (SWSI) was -3.7 in the Beaverhead River; -1.4 in the Ruby River; -2.1 in the Big Hole River; -2.2 in the Boulder River; and -2.2 in the Jefferson River as a whole.

JEFFERSON RIVER BASIN
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LIMA RESERVOIR Inflow (2)	APR-JUL	41	57	72	75	90	126	96
	APR-SEP	44	62	78	75	99	139	104
CLARK CANYON Inflow (2)	APR-JUL	15.0	28	42	32	64	119	131
	APR-SEP	25	44	63	40	91	156	156
BEAVERHEAD RIVER at Barretts (2)	APR-JUL	10.0	60	93	55	126	176	168
	APR-SEP	2.0	60	100	50	140	198	200
RUBY RIVER Reservoir Inflow	APR-JUL	29	46	58	69	70	87	84
	APR-SEP	37	57	70	69	83	103	101
BIG HOLE RIVER at Wisdom	APR-JUL	7.0	20	44	36	68	103	121
	APR-SEP	6.0	26	51	39	76	114	130
BIG HOLE RIVER nr Melrose	APR-JUL	27	200	320	53	440	615	610
	APR-SEP	39	225	355	54	485	670	660
BOULDER RIVER nr Boulder	APR-JUL	5.5	25	44	56	63	91	78
	APR-SEP	5.9	26	47	55	68	98	85
WILLOW CREEK Reservoir Inflow	APR-JUL	1.1	2.5	7.7	43	12.9	21	17.9
	APR-SEP	1.0	2.6	8.6	43	15.0	23	20
JEFFERSON RIVER nr Three Forks (2)	APR-JUL	31	215	375	48	535	770	780
	APR-SEP	34	235	405	47	575	825	860

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LIMA	84.0	36.6	6.0	32.2
CLARK CANYON	255.6	41.8	34.7	137.5
RUBY RIVER	38.8	18.3	15.3	20.4

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
BEAVERHEAD	8	86	91
RUBY	5	83	78
BIGHOLE	10	68	65
BOULDER	6	56	55
JEFFERSON RIVER BASIN	24	75	75

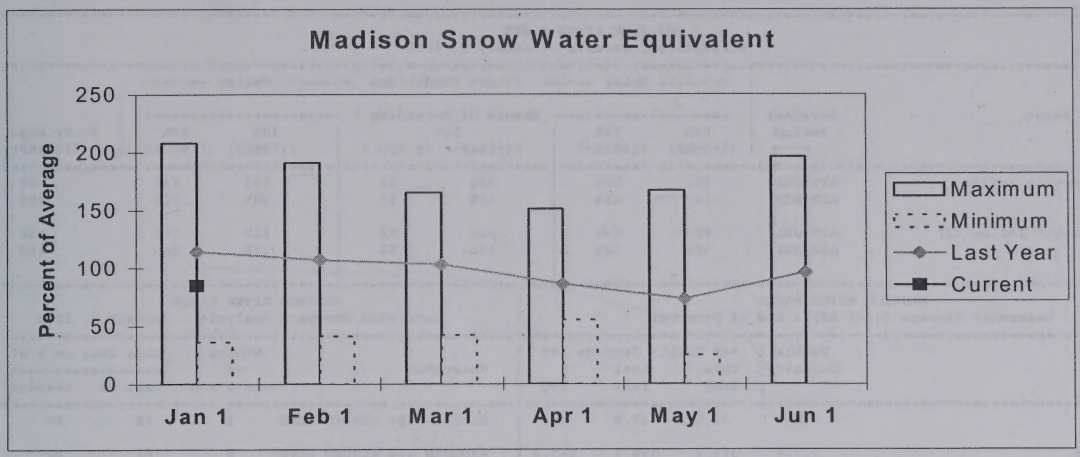
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

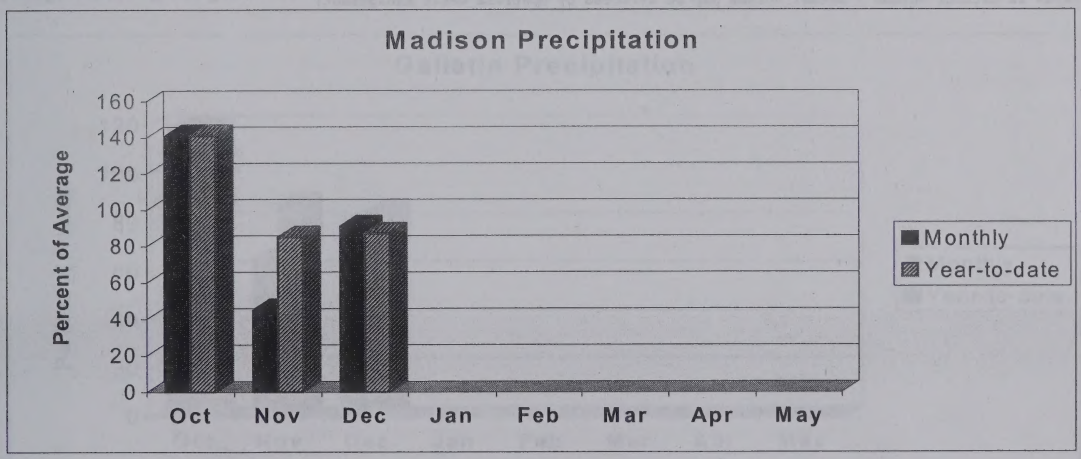
Madison River Basin

Snowpack conditions in the Madison River Basin were below average. Snow water content was 85 percent of average and 74 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 1987 and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during December was 91 percent of average and 59 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 87 percent of average and 79 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 78 percent to 87 percent.

Ennis Lake storage was 108 percent of average and 116 percent of last year and Hebgen Lake storage was 118 percent of average and 110 percent of last year.

Surface Water Supply Index (SWSI) was -1.4 for the Madison River.

MADISON RIVER BASIN
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
HEBGEN Reservoir Inflow	APR-JUL	275	325	360	92	395	445	390
	APR-SEP	365	425	465	93	505	565	500
ENNIS Reservoir Inflow (2)	APR-JUL	405	495	555	82	615	705	680
	APR-SEP	520	625	700	82	775	880	850

MADISON RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ENNIS LAKE	41.0	34.0	29.2	31.5
HEBGEN LAKE	377.5	315.7	286.2	267.6

MADISON RIVER BASIN
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
MADISON abv HEBGEN LAKE	6	66	85
MADISON blw HEBGEN LAKE	8	81	84
MADISON RIVER BASIN	14	74	85

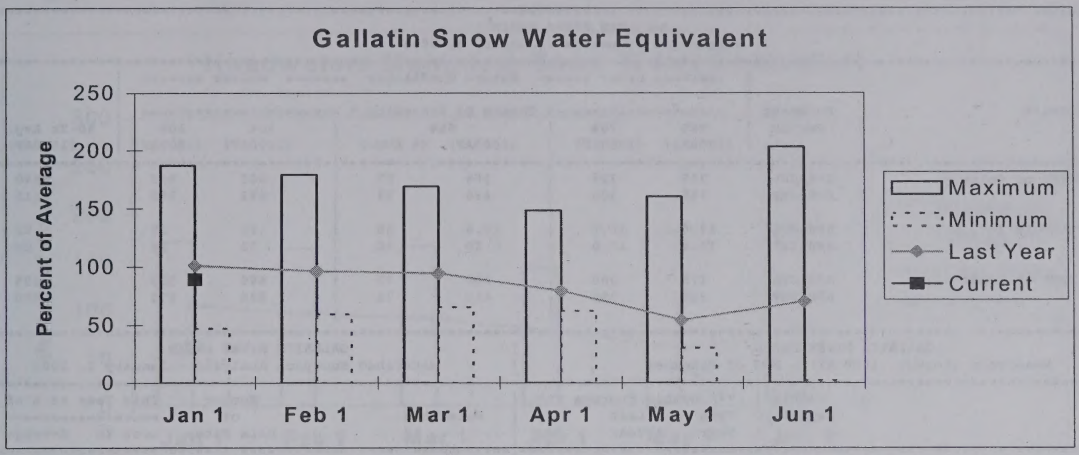
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

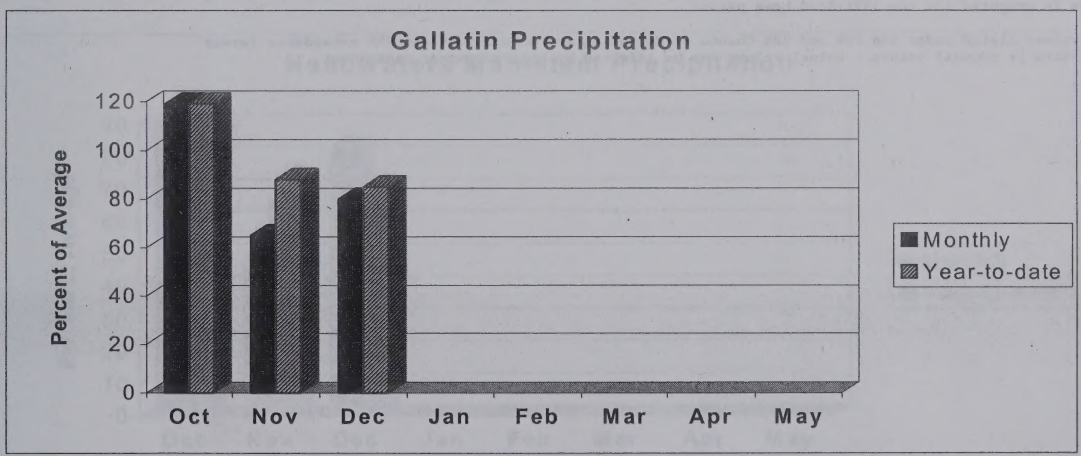
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were below average. Snow water content was 89 percent of average and 88 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1987; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during December was 82 percent of average and 59 percent of last year. Valley precipitation during December was 38 percent of average and 28 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 85 percent of average and 88 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 70 percent to 82 percent.

Middle Creek storage was 151 percent of average and 113 percent of last year.

Surface Water Supply Index (SWSI) was -1.3 for the Gallatin River.

GALLATIN RIVER BASIN
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GALLATIN RIVER nr Gateway	APR-JUL	265	325	365	83	405	465	440
	APR-SEP	315	385	430	84	475	545	515
HYALITE RESERVOIR Inflow	APR-JUL	12.6	16.2	18.6	85	21	25	22
	APR-SEP	13.6	17.0	20	80	23	26	25
GALLATIN RIVER at Logan (2)	APR-JUL	175	300	380	77	460	585	495
	APR-SEP	220	355	445	78	535	670	570

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MIDDLE CREEK	10.2	6.2	5.5	4.1

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
UPPER GALLATIN	4	79	85
HYALITE	2	95	83
BRIDGER	2	108	106
GALLATIN RIVER BASIN	8	88	89

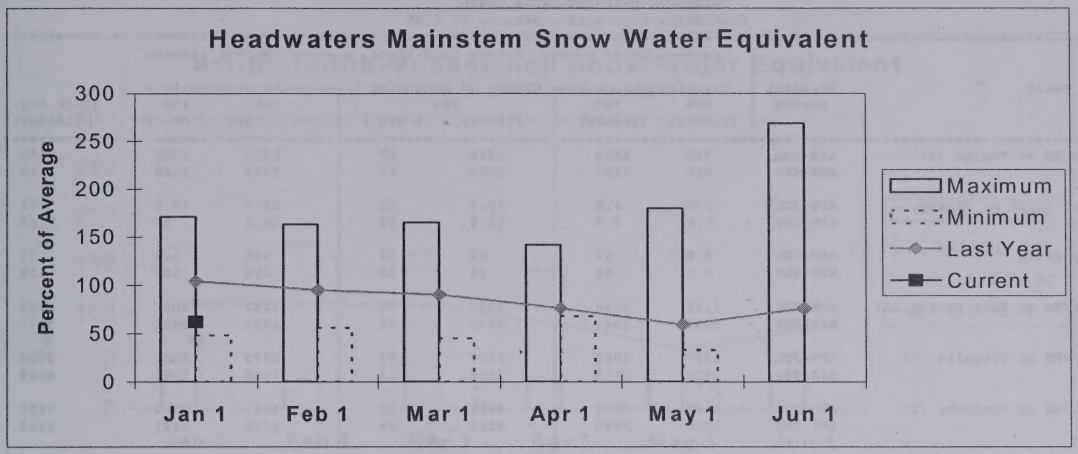
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

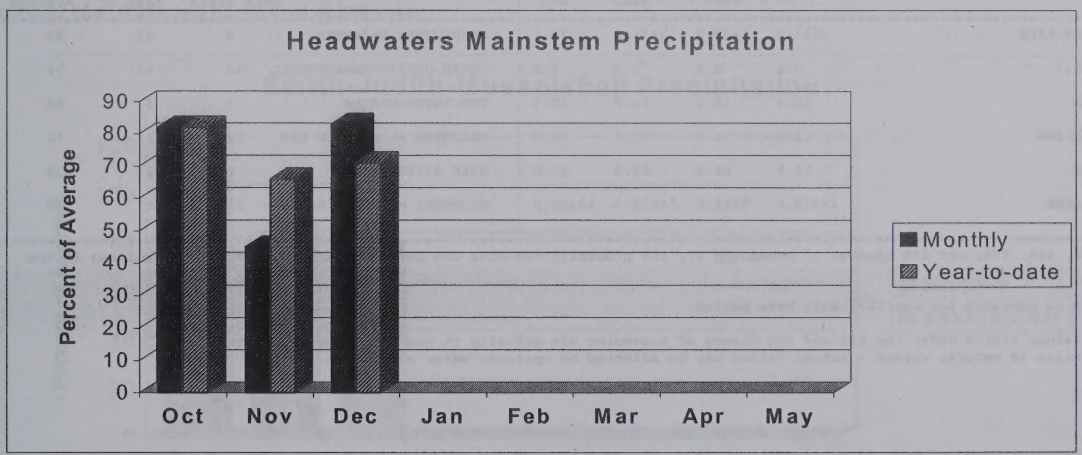
Missouri Mainstem River Basin

Snowpack conditions for the Missouri Mainstem were well below average. Snow water content is 60 percent of average and 56 percent of last year. Snowpack in the Headwaters Missouri Mainstem River Basin were well below average. Snow water content was 62 percent of average and 59 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977 and 1988; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961 and 1966; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during December was 67 percent of average and 63 percent of last year. Valley precipitation during December was 113 percent of average and 72 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 71 percent of average and 68 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 51 to 66 percent.

Canyon Ferry Lake storage was 84 percent of average and 95 percent of last year; Helena Valley storage was 117 percent of average and 112 percent of last year; Lake Helena storage was 87 percent of average and 102 percent of last year; Hauser & Helena storage was 118 percent of average and 101 percent of last year; Holter Lake storage was 102 percent of average and 100 percent of last year; and Fort Peck Lake storage was 39 percent of average and 58 percent of last year.

Surface Water Supply Index (SWSI) was -2.3 in the Missouri River above Canyon Ferry; -3.9 in the Missouri River below Canyon Ferry; -2.4 in the Dearborn River near Craig; -3.2 in the Missouri River above Fort Peck; and -4.0 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
MISSOURI RIVER at Toston (2)	APR-JUL	710	1110	1380	67	1650	2050	2050
	APR-SEP	820	1280	1600	67	1920	2380	2390
PRICKLY PEAR CREEK nr Clancy	APR-JUL	1.5	6.8	10.4	50	14.0	19.0	21
	APR-SEP	1.4	7.8	12.2	49	16.1	23	25
DEARBORN nr Craig	APR-JUL	5.0	37	69	57	101	148	121
	APR-SEP	5.0	42	75	60	108	157	125
MISSOURI RIVER at Fort Benton (2)	APR-JUL	1111	1694	2090	70	2487	3067	2990
	APR-SEP	1351	2047	2520	71	2991	3691	3570
MISSOURI RIVER at Virgelle (2)	APR-JUL	1390	2063	2520	73	2975	3650	3450
	APR-SEP	1620	2412	2950	73	3486	4281	4060
MISSOURI RIVER nr Landusky (2)	APR-JUL	1342	2061	2550	69	3040	3760	3690
	APR-SEP	1595	2444	3020	69	3596	4441	4350
MISSOURI RIVER below Fort Peck (2)	APR-JUL	1355	2084	2580	69	3076	3806	3740
	APR-SEP	1582	2426	3000	69	3576	4421	4330
LAKE SAKAKAWEA Inflow (2)	APR-JUL	3720	5619	6910	71	8204	10104	9740
	APR-SEP	4332	6516	8000	71	9481	11671	11200

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CANYON FERRY LAKE	2043.0	1404.0	1471.0	1670.3
HELENA VALLEY	9.2	5.6	5.0	4.8
LAKE HELENA	10.4	10.9	10.7	12.5
HAUSER & HELENA	61.9	74.0	73.1	62.9
HOLTER LAKE	81.9	81.3	81.0	80.0
FORT PECK LAKE	18910.0	5836.0	10050.0	15126.0

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
HEADWATERS MAINSTEM	8	60	62
SMITH-JUDITH-MUSSELSHELL	10	66	72
SUN-TETON-MARIAS	7	57	51
MAINSTEM ab FT PECK RES	24	61	62
MILK RIVER BASIN	4	20	34
MISSOURI MAINSTEM BASIN	27	57	60

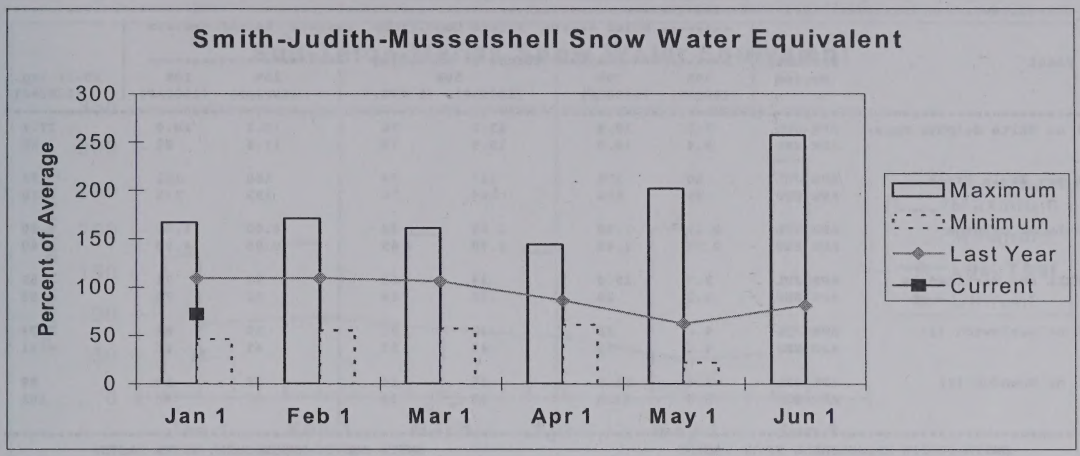
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

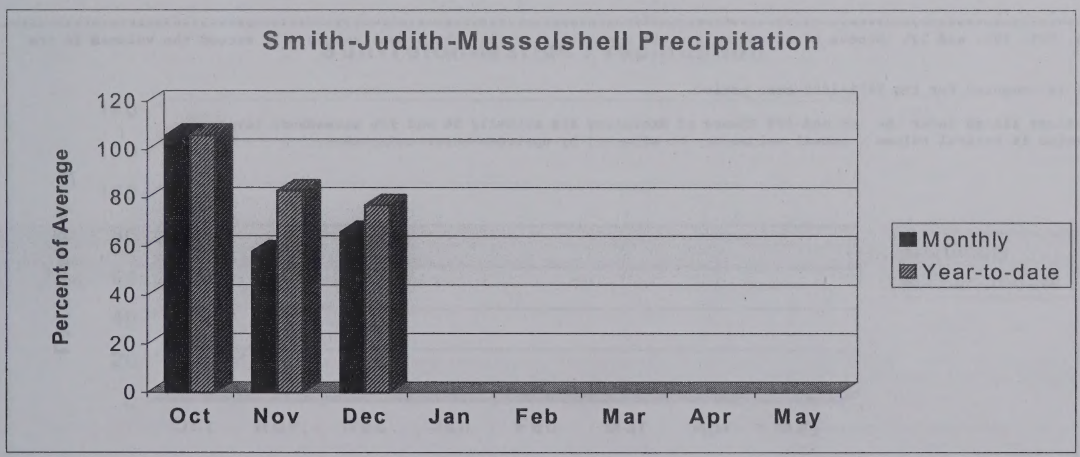
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were below average. Snow water content in the Smith River Basin was 73 percent of average and 71 percent of last year; in the Judith River Basin was 80 percent of average and 72 percent of last year; and in the Musselshell River Basin was 60 percent of average and 54 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during December in the Smith-Belts was 61 percent of average and 52 percent of last year; in the Judith was 79 percent of average and 43 percent of last year; and in the Musselshell was 48 percent of average and 25 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 77 percent of average and 63 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 42 to 62 percent.

Smith River storage was 98 percent of average and 133 percent of last year; Bair storage was 63 percent of average and 200 percent of last year; Martinsdale storage was 22 percent of average and 81 percent of last year; and Deadman's Basin was 29 percent of average and 100 percent of last year.

Surface Water Supply Index (SWSI) was -1.5 in the Smith River and -2.4 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
SHEEP CREEK nr White Sulphur Spgs.	APR-JUL	7.5	10.8	13.0	76	15.2	18.0	17.1
	APR-SEP	9.4	13.0	15.5	78	17.6	22	20
SMITH RIVER abv Eagle Creek	APR-JUL	80	114	137	78	160	192	175
	APR-SEP	95	136	164	78	192	232	210
NF MUSSELSHELL nr Delpine	APR-JUL	0.11	1.80	2.90	63	4.00	5.70	4.60
	APR-SEP	0.53	2.40	3.70	69	5.00	6.90	5.40
SF MUSSELSHELL abv Martinsdale	APR-JUL	2.1	19.0	34	65	49	71	52
	APR-SEP	2.2	20	36	64	52	75	56
MUSSELSHELL at Harlowton (2)	APR-JUL	4.6	25	42	55	59	84	77
	APR-SEP	4.9	25	43	53	61	86	81
MUSSELSHELL nr Roundup (2)	APR-JUL	3.0	14.0	36	36	58	90	99
	APR-SEP	3.0	13.0	35	34	57	90	102

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
SMITH RIVER	10.6	5.6	4.2	5.7
BAIR	7.0	2.2	1.1	3.5
MARTINSDALE	23.1	2.2	2.7	10.1
DEADMAN'S BASIN	72.2	12.6	12.6	44.0

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SMITH	6	72	74
JUDITH	4	72	80
MUSSELSHELL	3	56	62
SMITH-JUDITH-MUSSELSHELL	10	66	72

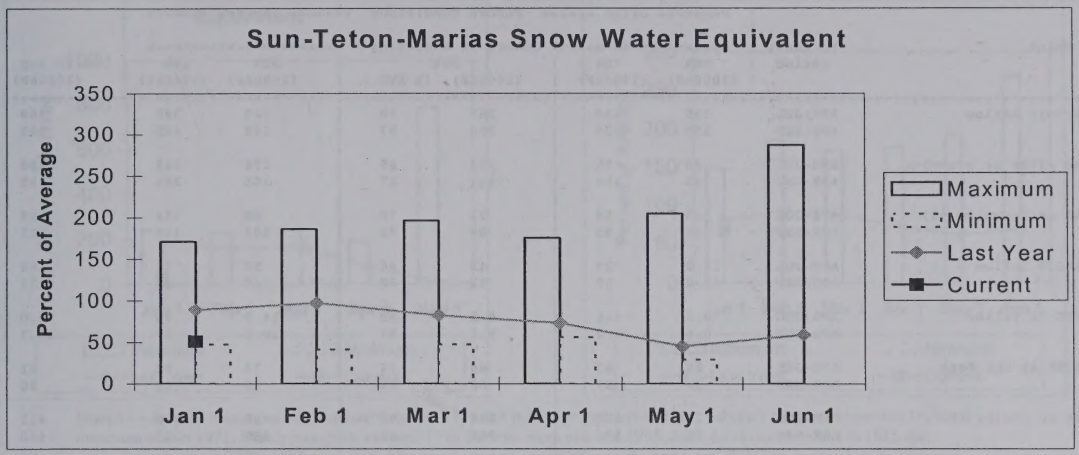
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

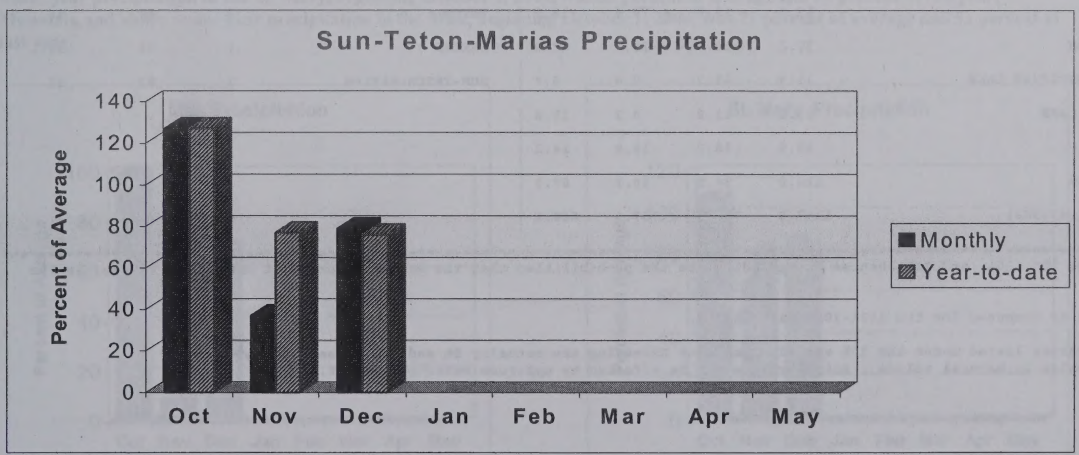
Sun-Teton-Marias River Basins

The combined snowpack conditions for the Sun-Teton-Marias River Basins were well below average and ranks second lowest to 2003 in 44 years. In 2003 the average snow water content was 3.8 inches and in 2005 was 4.2 inches of snow water content. Snow water content was 51 percent of average and 56 percent of last year. Snow water content in the Sun River Basin was 55 percent of average and 57 percent of last year; in the Teton River Basin was 45 percent of average and 49 percent of last year; and in the Marias River Basin was 51 percent of average and 58 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 1984; April maximum swe was in 1972 and minimum swe was in 1984; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during December in the Sun was 104 percent of average and 189 percent of last year; in the Teton was 89 percent of average and 156 percent of last year; and in the Marias was 67 percent of average and 140 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 76 percent of average and 78 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 43 to 62 percent.

Gibson storage was 77 percent of average and 190 percent of last year; Pishkun storage was 108 percent of average and 99 percent of last year; Willow Creek storage was 122 percent of average and 139 percent of last year; Lower Two Medicine Lake storage was 134 percent of average; Four Horns Lake storage was 117 percent of average; Swift storage was 128 percent of average and 123 percent of last year; Lake Frances storage was 51 percent of average and 75 percent of last year; and Lake Elwell (Tiber) storage was 111 percent of average and 93 percent of last year.

Surface Water Supply Index (SWSI) was -3.5 in the Sun River; -1.7 in the Teton River; -3.0 in the Birch/Dupuyer Creeks; -2.2 in the Marias River above Tiber, and -2.2 in the Marias below Tiber.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GIBSON Reservoir Inflow	APR-JUL	135	210	265	58	320	395	460
	APR-SEP	155	235	290	57	345	425	505
TWO MEDICINE RIVER nr Browning	APR-JUL	35	93	133	65	174	229	205
	APR-SEP	45	104	144	67	185	245	215
BADGER CREEK nr Browning (2)	APR-JUL	28	54	71	72	88	114	99
	APR-SEP	38	65	84	73	103	130	115
SWIFT RESERVOIR Inflow	APR-JUL	11.0	29	42	66	55	73	64
	APR-SEP	19.0	39	52	68	65	85	77
DUPUYER CREEK nr Valier	APR-JUL	0.6	1.5	8.2	59	14.9	25	14.0
	APR-SEP	0.6	1.8	9.0	57	16.0	27	15.7
CUT BANK CREEK at Cut Bank	APR-JUL	28	47	60	74	73	92	81
	APR-SEP	32	52	66	73	80	100	90
MARIAS RIVER nr Shelby (2)	APR-JUL	21	125	230	55	335	490	415
	APR-SEP	22	135	245	56	355	510	440
TETON nr Dutton	APR-JUL	17.5	28	25	49	40	62	51
	APR-SEP	19.1	27	29	49	44	66	59

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GIBSON	99.1	32.6	17.2	42.5
PISHKUN	32.0	19.5	19.6	18.0
WILLOW CREEK	32.2	26.9	19.3	22.0
LOWER TWO MEDICINE LAKE	11.9	11.7	0.0	8.7
FOUR HORNS LAKE	19.2	13.8	0.2	11.8
SWIFT	30.0	18.2	14.8	14.2
LAKE FRANCES	112.0	34.5	46.3	67.0
LAKE ELWELL (TIBER)	1347.0	717.5	769.0	648.1

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SUN	2	58	56
TETON	3	49	45
MARIAS	4	58	51
SUN-TETON-MARIAS	7	57	51

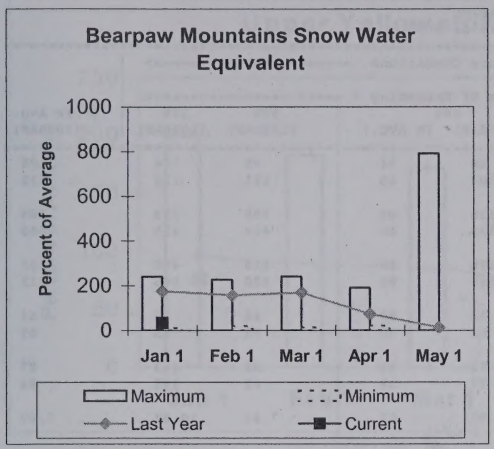
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

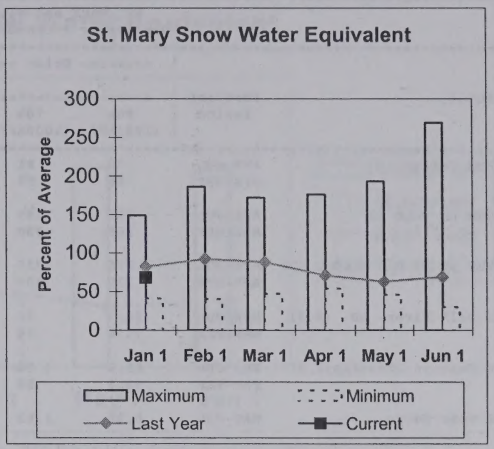
The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

St. Mary and Milk River Basins

Snowpack conditions in the St. Mary and Milk River Basins were well below average. Snow water content in the Saint Mary River Basin was 68 percent of average 83 percent of last year. The Milk River Basin (Bearpaw Mountains) was 33 percent of average and 19 percent of last year and ranks third lowest in 33 years with 1996.

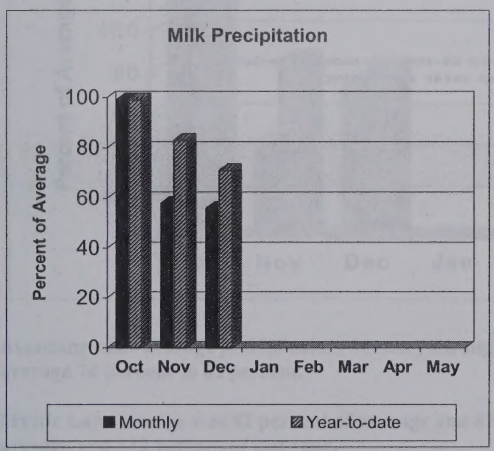


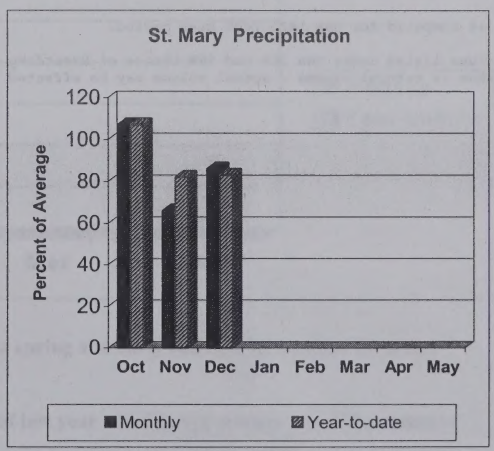


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 1973; March maximum swe was 1978 and minimum swe was 1995; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1967 and 1972 and minimum swe was in 2001; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.

Mountain and valley precipitation in the St. Mary River Basin during December was 86 percent of average and 145 percent of last year; and in the Milk River Basin during December was 56 percent of average and 40 percent of last year. Mountain and valley water year precipitation in the St. Mary, beginning October 1, 2004, was 83 percent of average and 94 percent of last year. Mountain and valley water year precipitation in the Milk, beginning October 1, 2004, was 71 percent of average and 53 percent of last year.





Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts in the St. Mary average 77 to 85 percent. In the Milk the spring and early summer streamflow forecasts average 52 to 77 percent.

Lake Sherburne storage was 159 percent of average and 272 percent of last year; Fresno storage was 74 percent of average and 180 percent of last year; Beaver Creek storage was 138 percent of average and 171 percent of last year; and Nelson storage was 117 percent of average and 151 percent of last year.

Surface Water Supply Index (SWSI) was -1.0 for the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LAKE SHERBURNE Inflow	APR-JUL	70	81	88	84	95	106	105
	APR-SEP	86	97	104	85	111	122	122
ST. MARY RIVER nr Babb (2)	APR-JUL	255	295	325	84	355	395	385
	APR-SEP	305	350	380	84	410	455	450
ST. MARY RIVER at US/CAN Border (2)	APR-JUL	275	335	375	86	415	475	435
	APR-SEP	335	400	440	85	480	545	515
MILK RIVER @ Milk River, AB (2,3)	MAR-JUL	14.1	41	57	89	68	78	64
	MAR-SEP	14.6	44	62	90	73	85	69
MILK RIVER @ Eastern Crossing(2,3)	MAR-JUL	18.3	52	71	85	83	103	83
	MAR-SEP	18.4	56	77	88	89	111	88
BEAVER CREEK near Havre	MAR-JUL	0.29	1.92	4.90	51	7.31	10.81	9.60

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE SHERBURNE	64.3	33.5	12.3	21.1
FRESNO	127.0	38.3	21.3	51.8
BEAVER CREEK	3.5	2.9	1.7	2.1
NELSON	66.8	41.6	27.6	35.7

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
ST. MARY	2	83	68
BEARPAW MOUNTAINS	4	20	34
CYPRESS HILLS, CANADA	0	0	0
MILK RIVER BASIN	4	20	34
ST. MARY & MILK BASINS	6	60	61

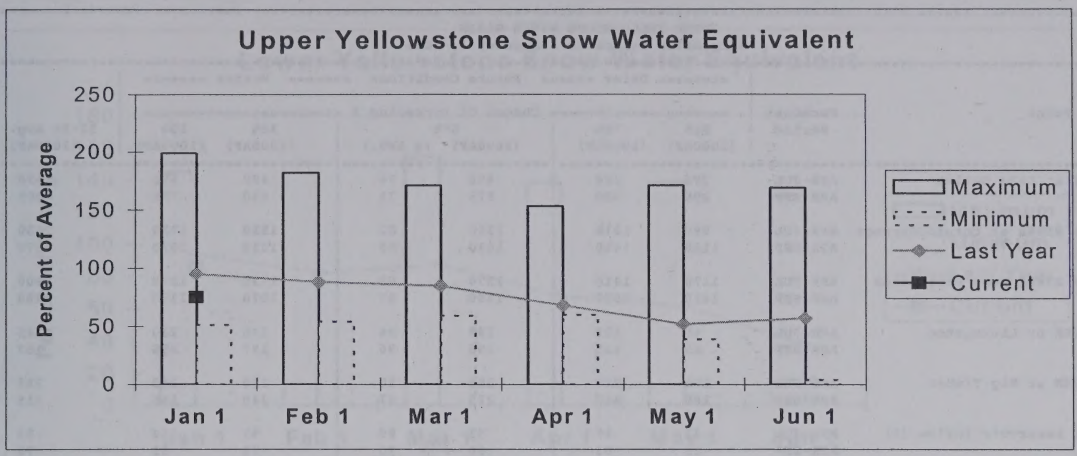
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

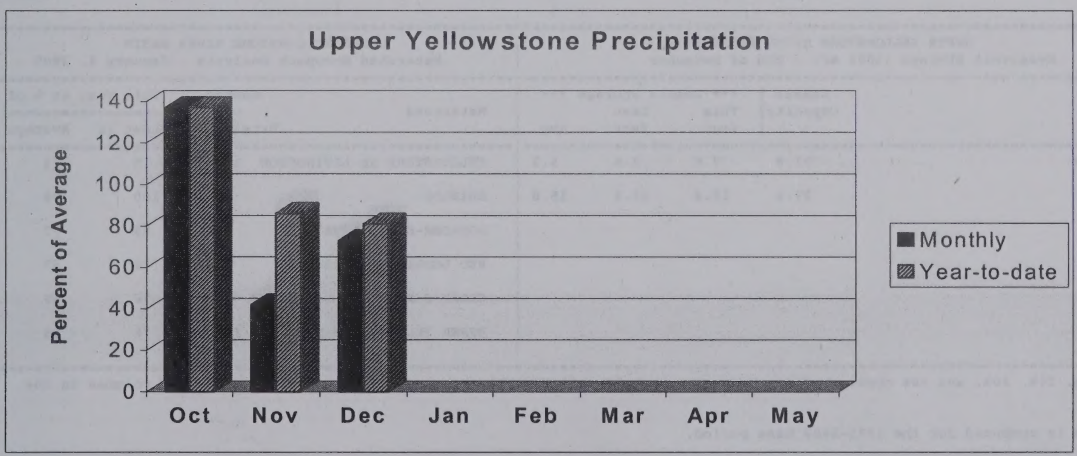
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were below average. Snow water content was 75 percent of average and 78 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1997 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during December was 76 percent of average and 68 percent of last year. Valley precipitation during December was 37 percent of average and 31 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 81 percent of average and 83 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 70 percent to 82 percent.

Mystic Lake storage was 82 percent of average and 85 percent of last year and Cooney storage was 129 percent of average and 112 percent of last year.

Surface Water Supply Index (SWSI) was -2.7 in the Yellowstone River above Livingston; -1.5 in the Shields River; -2.6 in the Boulder River; -2.5 in the Stillwater River; -1.3 in the Rock/Red lodge Creeks; -2.9 in the Clarks Fork River; and -2.7 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
YELLOWSTONE at Lake Outlet	APR-JUL	295	380	435	74	490	575	590
	APR-SEP	395	500	575	71	650	755	805
YELLOWSTONE RIVER at Corwin Springs	APR-JUL	990	1210	1360	82	1510	1730	1650
	APR-SEP	1190	1450	1630	83	1810	2070	1970
YELLOWSTONE RIVER near Livingston	APR-JUL	1170	1410	1570	83	1730	1970	1900
	APR-SEP	1410	1690	1880	83	2070	2350	2280
SHIELDS RIVER nr Livingston	APR-JUL	48	102	139	96	176	230	145
	APR-SEP	55	115	156	96	197	255	162
BOULDER RIVER at Big Timber	APR-JUL	172	220	255	90	290	340	285
	APR-SEP	186	240	275	87	310	365	315
MYSTIC LAKE Reservoir Inflow (2)	APR-JUL	42	49	53	90	57	64	59
	APR-SEP	55	63	68	90	73	81	76
STILLWATER RIVER nr Absarokee (2)	APR-JUL	290	355	400	81	445	510	495
	APR-SEP	345	420	470	80	520	595	585
CLARKS FORK RIVER nr Belfry	APR-JUL	280	340	385	71	430	490	540
	APR-SEP	295	365	410	69	455	525	595
COONEY RESERVOIR Inflow (2)	APR-JUL	8.1	25	36	77	47	64	47
	APR-SEP	17.1	34	46	81	58	75	57
YELLOWSTONE RIVER at Billings (2)	APR-JUL	1890	2440	2810	80	3180	3730	3510
	APR-SEP	2220	2860	3300	80	3740	4380	4120

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MYSTIC LAKE	21.0	7.6	8.9	9.3
COONEY	27.4	19.4	17.3	15.0

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
YELLOWSTONE ab LIVINGSTON	13	75	74
SHIELDS	4	100	98
BOULDER-STILLWATER	3	83	77
RED LODGE-ROCK CREEK	1	54	57
CLARK'S FORK	7	76	69
UPPER YELLOWSTONE BASIN	24	78	75

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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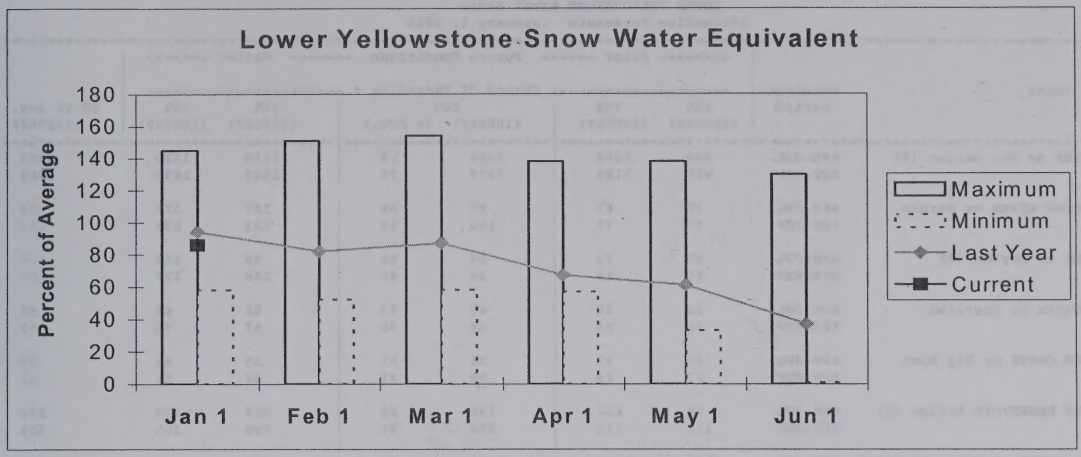
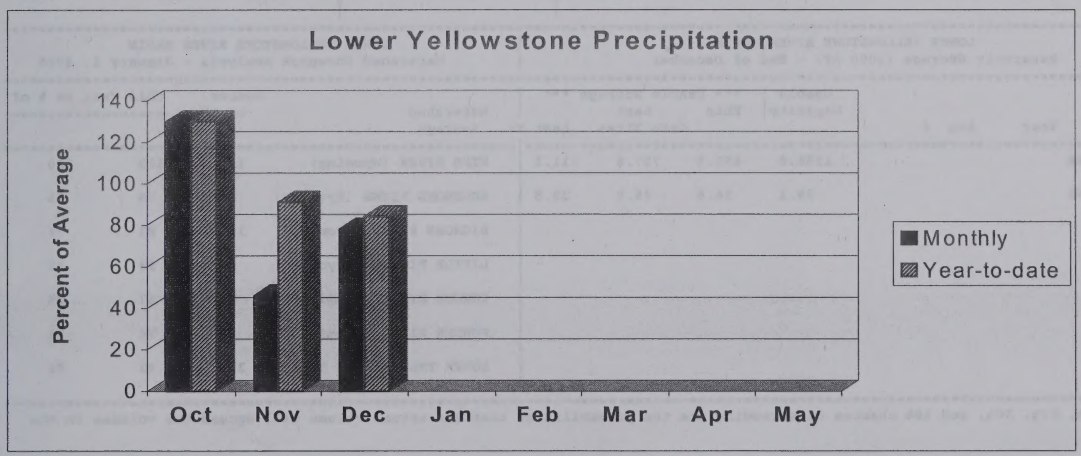
Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin were below average. Snow water content was 86 percent of average and 92 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during December was 82 percent of average and 71 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2004, was 87 percent of average and 97 percent of last year.



Assuming near average precipitation, January through July, the spring and early summer streamflow forecasts average 66 to 79 percent.

Bighorn Lake storage was 76 percent of average and 91 percent of last year and Tongue River storage was 163 percent of average and 80 percent of last year.

Surface Water Supply Index (SWSI) was -2.4 in the Bighorn River below Bighorn Lake; -3.0 in the Little Bighorn River; -2.4 in the Yellowstone River below Bighorn River; -2.0 in the Tongue River; and -1.1 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - January 1, 2005

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
BIGHORN RIVER nr St. Xavier (2)	APR-JUL	840	1090	1260	78	1430	1680	1610
	APR-SEP	910	1180	1370	78	1560	1830	1760
LITTLE BIGHORN RIVER nr Hardin	APR-JUL	38	67	87	68	107	136	128
	APR-SEP	47	79	100	69	121	153	144
TONGUE RIVER nr Dayton (2)	APR-JUL	55	72	84	88	96	113	96
	APR-SEP	65	84	96	88	108	127	109
BIG GOOSE CREEK nr Sheridan	APR-JUL	25	38	47	90	56	69	52
	APR-SEP	32	45	54	90	63	76	60
LITTLE GOOSE CREEK nr Big Horn	APR-JUL	20	27	31	91	35	42	34
	APR-SEP	27	34	39	93	44	51	42
TONGUE RIVER RESERVOIR Inflow (2)	APR-JUL	98	153	190	86	225	280	220
	APR-SEP	113	171	210	84	250	305	250
YELLOWSTONE RIVER at Miles City (2)	APR-JUL	2780	3610	4180	78	4750	5580	5360
	APR-SEP	3220	4190	4850	78	5510	6480	6210
POWDER RIVER at Moorehead	APR-JUL	79	139	180	88	221	281	205
	APR-SEP	97	159	200	87	240	305	230
POWDER RIVER near Locate	APR-JUL	128	165	190	81	215	250	235
	APR-SEP	142	182	210	81	240	280	260
YELLOWSTONE RIVER nr Sidney (2)	APR-JUL	2780	3640	4220	77	4800	5660	5480
	APR-SEP	3190	4170	4840	77	5510	6490	6280

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Data Sites	Last Yr Avg
BIGHORN LAKE	1356.0	688.4	757.6	911.1	
TONGUE RIVER	79.1	36.6	45.8	22.5	

LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - January 1, 2005

Watershed	Number of	This Year as % of Average	
WIND RIVER (Wyoming)	12	112	100
SHOSHONE RIVER (Wyoming)	6	75	66
BIGHORN RIVER (Wyoming)	16	81	74
LITTLE BIGHORN (Wyoming)	2	93	82
TONGUE RIVER (Wyoming)	7	87	85
POWDER RIVER (Wyoming)	6	76	91
LOWER YELLOWSTONE BASIN (	31	92	86

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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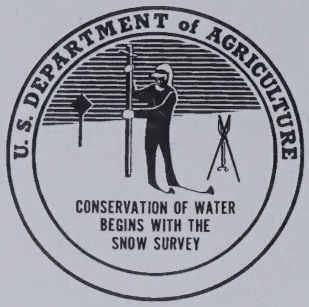

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Montana
Water Supply Outlook
Report

Natural Resources Conservation Service
Bozeman, MT